

Kristiina Whl

List of Publications by Citations

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90
papers

4,078
citations

32
h-index

63
g-index

94
ext. papers

4,322
ext. citations

4.1
avg. IF

4.77
L-index

#	Paper	IF	Citations
90	Inhibition of human aromatase by mammalian lignans and isoflavonoid phytoestrogens. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1993 , 44, 147-53	5.1	428
89	In vitro metabolism of plant lignans: new precursors of mammalian lignans enterolactone and enterodiol. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 3178-86	5.7	396
88	Isoflavonoids and Lignans in Legumes: Nutritional and Health Aspects in Humans 11The method development and synthesis of the standards and deuterium-labelled compounds was supported by National Institutes of Health Grants No. 1 R01 CA56289-01 and No. 2 R01 CA56289-04, and analytical work by the EU research contract FMR-CT95-0894. <i>Journal of Nutritional Biochemistry</i> , 1998 , 9, 183-200	6.3	299
87	Bioavailability of phyto-oestrogens. <i>British Journal of Nutrition</i> , 2003 , 89 Suppl 1, S45-58	3.6	297
86	Isotope dilution gas chromatographic-mass spectrometric method for the determination of lignans and isoflavonoids in human urine, including identification of genistein. <i>Clinica Chimica Acta</i> , 1991 , 199, 263-78	6.2	177
85	Lignan and isoflavonoid conjugates in human urine. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1995 , 52, 97-103	5.1	176
84	Processing of rapeseed oil: effects on sinapic acid derivative content and oxidative stability. <i>European Food Research and Technology</i> , 2003 , 217, 110-114	3.4	145
83	Metabolism of the soy isoflavones daidzein, genistein and glycitein in human subjects. Identification of new metabolites having an intact isoflavonoid skeleton. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003 , 87, 285-99	5.1	124
82	Oxidative stability and minor constituents of virgin olive oil and cold-pressed rapeseed oil. <i>European Food Research and Technology</i> , 2002 , 214, 294-298	3.4	112
81	Prevalence of daidzein-metabolizing phenotypes differs between Caucasian and Korean American women and girls. <i>Journal of Nutrition</i> , 2006 , 136, 1347-51	4.1	103
80	Identification of lignans and phytoestrogens in urine of chimpanzees. <i>Clinica Chimica Acta</i> , 1986 , 158, 147-54	6.2	100
79	Time-resolved fluoroimmunoassay of plasma daidzein and genistein. <i>Steroids</i> , 2000 , 65, 339-48	2.8	92
78	Expedient synthesis of polyhydroxyisoflavones. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1991 , 3005-3008		89
77	Gas chromatographic-mass spectrometric method for the determination of alkylresorcinols in human plasma. <i>Analytical Biochemistry</i> , 2002 , 308, 307-13	3.1	69
76	Phytoestrogen content and estrogenic effect of legume fodder. <i>Experimental Biology and Medicine</i> , 1995 , 208, 13-7	3.7	69
75	In vitro antioxidant activity and antigenotoxicity of 5-n-alkylresorcinols. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 1646-50	5.7	66
74	High levels of equol in organic skimmed Finnish cow milk. <i>Molecular Nutrition and Food Research</i> , 2007 , 51, 782-6	5.9	60

73	A novel radioimmunoassay for daidzein. <i>Steroids</i> , 1997 , 62, 315-20	2.8	58
72	Radioimmunoassay of free genistein in human serum. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1998 , 64, 261-8	5.1	58
71	Time-resolved fluoroimmunoassay for equol in plasma and urine. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003 , 84, 577-88	5.1	49
70	The phase transfer catalysed synthesis of isoflavone-O-glucosides. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998 , 2481-2484		43
69	Equol in milk of dairy cows is derived from forage legumes such as red clover. <i>British Journal of Nutrition</i> , 2009 , 102, 1552-6	3.6	42
68	Consumption of chokeberry (<i>Aronia mitschurinii</i>) products modestly lowered blood pressure and reduced low-grade inflammation in patients with mildly elevated blood pressure. <i>Nutrition Research</i> , 2016 , 36, 1222-1230	4	42
67	Metabolism of isoflavones in human subjects. <i>Phytochemistry Reviews</i> , 2002 , 1, 175-182	7.7	39
66	Phyto-oestrogen levels in foods: the design and construction of the VENUS database. <i>British Journal of Nutrition</i> , 2003 , 89 Suppl 1, S19-23	3.6	38
65	Synthesis of D4-genistein, a stable deuterio labeled isoflavone, by a perdeuteration selective dedeuteration approach. <i>Tetrahedron Letters</i> , 1997 , 38, 7287-7290	2	36
64	An isotope dilution gas chromatographic-mass spectrometric method for the simultaneous assay of estrogens and phytoestrogens in urine. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004 , 92, 399-411	5.1	36
63	Synthesis of isoflavonoid deuterium labeled polyphenolic phytoestrogens. <i>Tetrahedron</i> , 1999 , 55, 3445-3454	3.4	36
62	Synthesis and biological evaluation of 17beta-hydroxysteroid dehydrogenase type 1 (17beta-HSD1) inhibitors based on a thieno[2,3-d]pyrimidin-4(3H)-one core. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 6660-71	8.3	34
61	Metformin increases glucose uptake and acts renoprotectively by reducing SHIP2 activity. <i>FASEB Journal</i> , 2019 , 33, 2858-2869	0.9	34
60	The binding of lignans, flavonoids and coumestrol to CYP450 aromatase: a molecular modelling study. <i>Molecular and Cellular Endocrinology</i> , 2009 , 301, 235-44	4.4	33
59	A 3D QSAR model of 17beta-HSD1 inhibitors based on a thieno[2,3-d]pyrimidin-4(3H)-one core applying molecular dynamics simulations and ligand-protein docking. <i>ChemMedChem</i> , 2008 , 3, 461-72	3.7	32
58	A three-dimensional model of CYP19 aromatase for structure-based drug design. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007 , 105, 63-70	5.1	31
57	Synthesis of novel mammalian metabolites of the isoflavonoid phytoestrogens daidzein and genistein. <i>Experimental Biology and Medicine</i> , 1998 , 217, 293-9	3.7	30
56	Transcriptional activity of estrogen-related receptor α (ERR α) is stimulated by the phytoestrogen equol. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011 , 123, 46-57	5.1	29

55	The Synthesis, Structure, and Anticancer Activity of cis- and trans-4 β -Dihydroxyisoflavan-4-ols. <i>Journal of Organic Chemistry</i> , 1997 , 62, 7690-7693	4.2	28
54	Synthesis of Deuterium Labeled Polyhydroxy Flavones and 3-Flavonols. <i>Tetrahedron</i> , 2000 , 56, 913-916	2.4	28
53	Synthesis and labeling of isoflavone phytoestrogens, including daidzein and genistein. <i>Experimental Biology and Medicine</i> , 1995 , 208, 27-32	3.7	27
52	Variation of stilbene glucosides in bark extracts obtained from roots and stumps of Norway spruce (<i>Picea abies</i> [L.] Karst.). <i>Trees - Structure and Function</i> , 2013 , 27, 131-139	2.6	25
51	Studies of the in vitro intestinal metabolism of isoflavones aid in the identification of their urinary metabolites. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 2640-6	5.7	25
50	Synthesis of the [2H]-labelled urinary lignans, enterolactone and enterodiol, and the phytoestrogen daidzein and its metabolites equol and O-demethyl-angolensin. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1986 , 95-98		25
49	Synthesis of Antioxidant Isoflavone Fatty Acid Esters 1. <i>Tetrahedron</i> , 2000 , 56, 7805-7810	2.4	24
48	Root neck of Norway spruce as a source of bioactive lignans and stilbenes. <i>Holzforschung</i> , 2014 , 68, 1-7	2	23
47	Analysis of phyto-oestrogens in biological matrices. <i>British Journal of Nutrition</i> , 2003 , 89 Suppl 1, S5-18	3.6	23
46	Rapid chemical characterisation of stilbenes in the root bark of Norway spruce by off-line HPLC/DAD-NMR. <i>Phytochemical Analysis</i> , 2014 , 25, 529-36	3.4	22
45	Synthesis of phytoestrogenic isoflavonoid disulfates. <i>Steroids</i> , 2004 , 69, 613-6	2.8	22
44	Expedient deuterolabeling of polyphenols in ionic liquids-DCl/D2O under microwave irradiation. <i>Journal of Organic Chemistry</i> , 2007 , 72, 5817-9	4.2	18
43	Experimental and DFT 1H NMR study of conformational equilibria in trans-4 β -dihydroxyisoflavan-4-ol and trans-isoflavan-4-ol. <i>Journal of Organic Chemistry</i> , 2003 , 68, 6864-9	4.2	18
42	Synthesis of C-C-bridged bis-isoflavones. <i>Journal of Organic Chemistry</i> , 2000 , 65, 2305-8	4.2	18
41	Microwave-assisted synthesis of deuterium labeled estrogen fatty acid esters. <i>Steroids</i> , 2006 , 71, 54-60	2.8	16
40	Asymmetric synthesis, stereochemistry and rearrangement reactions of naturally occurring 7Hydroxylignano-9,9lactones. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 331-41	3.9	15
39	Regioselective Mono-O-Carboxymethylation of Polyhydroxyisoflavones. <i>Molecules Online</i> , 1999 , 3, 20-24		13
38	Synthesis and applications of secondary amine derivatives of (+)-dehydroabietylamine in chiral molecular recognition. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 10548-55	3.9	12

37	Multiple hydride reduction pathways in isoflavonoids. <i>Beilstein Journal of Organic Chemistry</i> , 2006 , 2, 16	2.5	12
36	The orientation and dynamics of estradiol and estradiol oleate in lipid membranes and HDL disc models. <i>Biophysical Journal</i> , 2014 , 107, 114-25	2.9	11
35	Active site analysis of 17beta-hydroxysteroid dehydrogenase type 1 enzyme complexes with SPROUT. <i>Molecular and Cellular Endocrinology</i> , 2006 , 248, 208-13	4.4	11
34	High serum S-sequol content in red clover fed ewes: the classical endocrine disruptor is a single enantiomer. <i>Environmental Chemistry Letters</i> , 2006 , 3, 154-159	13.3	11
33	Synthesis of [2H]5-epitestosterone. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1995 , 36, 493-496	1.9	11
32	On the Mechanism of the Reactivity of 1,3-Dialkylimidazolium Salts under Basic to Acidic Conditions: A Combined Kinetic and Computational Study. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11613-11617	16.4	10
31	Rapid synthesis of long chain fatty acid esters of steroids in ionic liquids with microwave irradiation: expedient one-pot procedure for estradiol monoesters. <i>Steroids</i> , 2010 , 75, 740-4	2.8	10
30	Synthesis of [2H8]-enterolactone and [2H10]-enterodiol. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2004 , 47, 25-30	1.9	10
29	Aromatic Chlorination with Thionyl Chloride. Applications in the Synthesis of Chlorinated Isoflavones. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2007 , 182, 2761-2767	1	9
28	Capricious selectivity in electrophilic deuteration of methylenedioxy substituted aromatic compounds. <i>Journal of Organic Chemistry</i> , 2014 , 79, 10636-40	4.2	8
27	Metabolic Profiling of Water-Soluble Compounds from the Extracts of Dark Septate Endophytic Fungi (DSE) Isolated from Scots Pine (L.) Seedlings Using UPLC-Orbitrap-MS. <i>Molecules</i> , 2019 , 24,	4.8	7
26	Expedient microwave deuteration of estrone in CF ₃ COOD. <i>Tetrahedron Letters</i> , 2002 , 43, 3411-3412	2	7
25	Synthesis of D6-daidzein. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2000 , 43, 849-854	1.9	7
24	New potential mammalian lignan metabolites of environmental phytoestrogens. <i>Environmental Chemistry Letters</i> , 2006 , 4, 1-9	13.3	6
23	Synthesis of deuterated plant lignans for gas chromatography-mass spectrometry analysis. <i>Journal of Medicinal Food</i> , 1999 , 2, 103-5	2.8	6
22	Evaluation of Organo [F]Fluorosilicon Tetrazine as a Prosthetic Group for the Synthesis of PET Radiotracers. <i>Molecules</i> , 2020 , 25,	4.8	5
21	Synthesis of 3,4-dibenzyltetrahydrofuran lignans (9,9Sepoxylignanes). <i>Molecules</i> , 2013 , 18, 13124-38	4.8	5
20	Pharmacophore modelling of 17beta-HSD1 enzyme based on active inhibitors and enzyme structure. <i>Molecular and Cellular Endocrinology</i> , 2009 , 301, 225-8	4.4	5

19	Synthesis of new deuterium-labelled lignanolactones. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2008 , 51, 407-412	1.9	5
18	Synthesis of deuterated isoflavone disulfates. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2006 , 49, 973-978	1.9	5
17	On the Mechanism of the Reactivity of 1,3-Dialkylimidazolium Salts under Basic to Acidic Conditions: A Combined Kinetic and Computational Study. <i>Angewandte Chemie</i> , 2018 , 130, 11787-11791	3.6	4
16	Synthesis of Tertiary and Quaternary Amine Derivatives from Wood Resin as Chiral NMR Solvating Agents. <i>Molecules</i> , 2015 , 20, 20873-86	4.8	4
15	Synthesis of stable deuterium labelled lignan derivatives and studies of H/D exchange at the aromatic sites. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007 , 50, 521-522	1.9	4
14	Stability and Photoisomerization of Stilbenes Isolated from the Bark of Norway Spruce Roots. <i>Molecules</i> , 2021 , 26,	4.8	4
13	Synthesis of D4-6 ⁷ -hydroxy-O-demethylangolensin, a deuterium labelled metabolite of genistein. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2000 , 43, 1145-1147	1.9	3
12	Bioactive Properties of the Aqueous Extracts of Endophytic Fungi Associated with Scots Pine (<i>Pinus sylvestris</i>) Roots. <i>Planta Medica</i> , 2020 , 86, 1009-1024	3.1	2
11	Synthesis of the Deuterium Labeled Isoflavone-O-glucoside 8,3 ⁷ ,5 ⁷ -D3-Daidzin. <i>Molecules Online</i> , 1998 , 2, 137-139		2
10	Deuteration of dietary antioxidants: ferulic acid derivatives and Tocopherol. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007 , 50, 475-476	1.9	2
9	Synthesis of deuterated 5-n-alkylresorcinols. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2008 , 51, 12-18	1.9	2
8	Molecular interactions between sex hormone-binding globulin and nonsteroidal ligands that enhance androgen activity. <i>Journal of Biological Chemistry</i> , 2020 , 295, 1202-1211	5.4	2
7	Molecular interactions between sex hormone-binding globulin and nonsteroidal ligands that enhance androgen activity. <i>Journal of Biological Chemistry</i> , 2020 , 295, 1202-1211	5.4	2
6	Novel Sulfonanilide Inhibitors of SHIP2 Enhance Glucose Uptake into Cultured Myotubes. <i>ACS Omega</i> , 2020 , 5, 1430-1438	3.9	1
5	Regioselectivity of methylation of O-demethylangolensin [1-(2,4-dihydroxyphenyl)-2-(4-hydroxyphenyl)propan-1-one]. An expedient synthesis of angolensin. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001 , 642-644		0
4	Electrophilic Aromatic Deuteration of Lignans: Mostly Reliable but Occasionally Aberrant Selectivities. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 7595-605	5.7	
3	CHAPTER 7: The Structure of Isoflavones by 1D and 2D Homonuclear and Heteronuclear NMR Spectroscopy. <i>Food and Nutritional Components in Focus</i> , 2012 , 94-114		
2	Red Clover Derived Isoflavones: Metabolism and Physiological Effects in Cattle and Sheep and their Concentration in Milk Produced for Human Consumption 2010 , 238-254		

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